



# Maths

## Maths Standard Test 2

Fill in the following particulars:

Name.....

Boy or girl.....

Date of Birth .....

School .....

Class.....

Today's date.....

**Read the following carefully:**

- Do not open this booklet or begin the test until you are told to do so.
- Mark your answers on the answer sheet provided.
- Work as carefully and quickly as you can.
- If you can not do a question, go on to the next one.
- If you make a mistake rub out the mistake and write the new answer.
- You will have 50 minutes to complete the test

Q1

Fourteen girls bought 3 chocolates each. The cost per chocolate is 25p.

How much did they spend on chocolate in total?

Mark your answer on the answer sheet.

Q2

What is  $\frac{3}{10}$  of 2000?

Mark your answer on the answer sheet.

Q3

The school play started at midday and lasted for one and a half hours.

What time did it finish? Give your answer using the 24 hour clock.

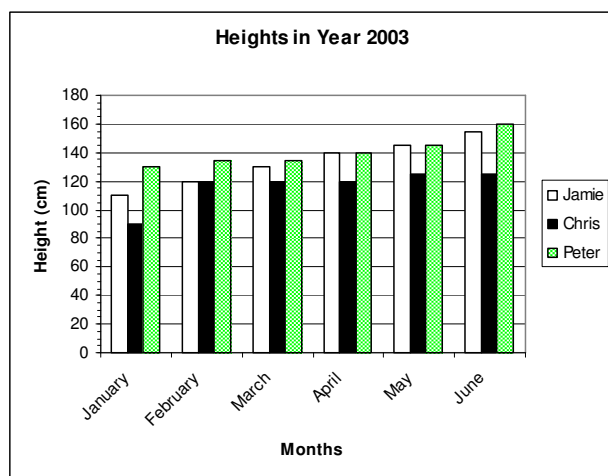
Mark your answer on the answer sheet.

Q4

During 2003 Jamie, Chris and Peter decided to monitor their growth. The following graph shows their results.

Work out how much each boy grew in the 6 months and then put their names in order starting with the one who grew the least to the one who grew the most.

Mark your answer on the answer sheet.



Q5

What is the number 35627 in words?

Mark your answer on the answer sheet.

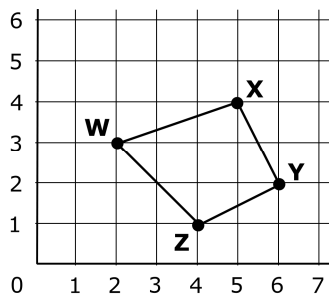
Q6

If you are given the number 23 576, the 5 is worth 500.

If you are given the number 3 654 721, what is the value of the 4?

Mark your answer on the answer sheet.

Q7



What are the coordinates of W, X and Y?  
Mark your answer on the answer sheet.

Q8

Philip and his sister, Sarah, want to save up and combine their pocket money to buy a computer game. Philip is 10 years old and gets £3 per week. Sarah is 8 years old so only gets £2.50 per week. The computer game they want costs £22.

How many weeks of pocket money will they each have to save?

Mark your answer on the answer sheet.

Q9

$$(8) \times (9) (?) (7) = (65)$$

What should replace the question mark to make the above statement true?  
Mark your answer on the answer sheet.

Q10

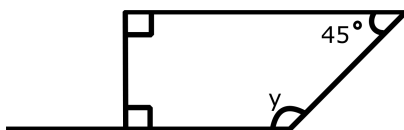
What is the mode of the following numbers?

Mark your answer on the answer sheet.

8, 7, 9, 8, 6, 7, 8, 5, 6, 9

Q11

Look at the diagram below.



What size is angle  $y$ ?

Mark your answer on the answer sheet.

Q12

The maximum number of people allowed in the public swimming pool at one time is 50, so the lifeguard has to keep track of how many people there are in the pool at all times. At 9:00, when the swimming pool opened, 6 people got in. Half an hour later, 25 more got in, but 3 got out. By 10:00, another 22 people had gotten in and 14 had gotten out. Another 4 people got in before 12:00.

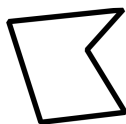
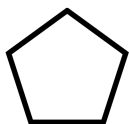
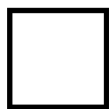
How many people were in the pool at midday?

Mark your answer on the answer sheet.

Q13

How many of following shapes are pentagons?

Mark your answer on the answer sheet.



Q14

The ratio of horses to sheep on a farm is 3:10

If there are 21 horses, how many sheep are there?

Mark your answer on the answer sheet.

Q15

Which of these fractions are greater than 50%?

$\frac{3}{4}$ ,  $\frac{5}{17}$ ,  $\frac{9}{14}$ ,  $\frac{3}{11}$ ,  $\frac{6}{7}$

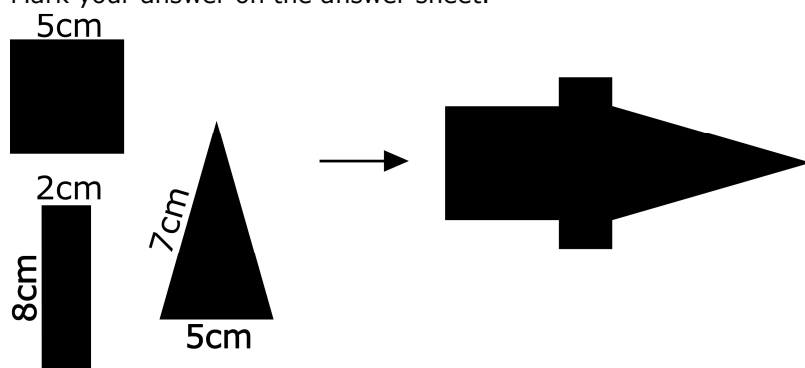
Mark your answer on the answer sheet.

Q16

A square, rectangle and isosceles triangle are combined (as in the diagram) to form a new shape.

What is the perimeter of the new shape?

Mark your answer on the answer sheet.



Q17

Cathy's mum packed a basket of fruit to take on a picnic. There were 6 oranges, 5 apples, 5 peaches and 4 plums. Cathy's brother, James, hates peaches. He decided to take a piece of fruit out of the basket, but did not look at what he was choosing.

What is the probability that James will not get a peach when he takes a piece of fruit?

Mark your answer on the answer sheet.

Q18

How many grams are there in 2.25 kg?

Mark your answer on the answer sheet.

Q19

60 people were trying to fly kites in the park. At any one time, only  $\frac{1}{4}$  were in the sky and the rest had crashed into the ground.

What is the number of kites that were on the ground?

Mark your answer on the answer sheet.

Q20

What is 0.25 as a fraction?

Mark your answer on the answer sheet.

Q21

The price of a computer is usually £800, but it is now on sale and has been reduced by 25 %.

What is the sale price?

Mark your answer on the answer sheet.

Q22

Mr Kemp's dog recently had 6 puppies. Mr Kemp bought a box of 90 biscuits for the puppies.

How many biscuits will each puppy get?

Mark your answer on the answer sheet.

Q23

$3x = 15y$

If  $y = 10$ , what is the value of  $x$ ?

Mark your answer on the answer sheet.

Q24

Jane decided to investigate the length of the cats' tails in her neighbourhood. She measured each cat's tail with a measuring tape. The table below shows her results.

Jane's Neighbourhood's Cats & their tail lengths

cat A	cat B	cat C	cat D	cat E	cat F	cat G
11	15	7	11	5	13	8

The lengths of the cats' tails are given in cm.

What is the average length of the cats' tails in Jane's neighbourhood?

Mark your answer on the answer sheet.

Q25

$16 \times 6 = 60 + ?$

What is the value of the question mark in the above equation?

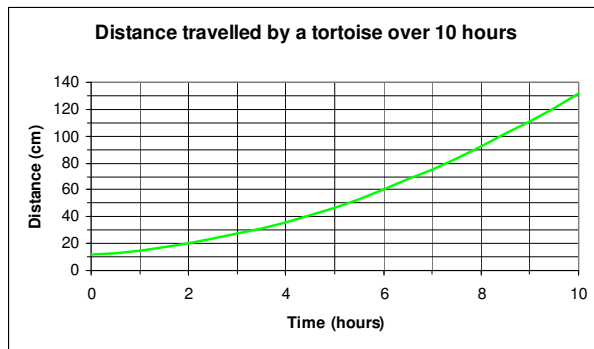
Mark your answer on the answer sheet.

Q26

George has a pet tortoise. One day he decided to measure how far it walked in ten hours. His results are given on the following graph.

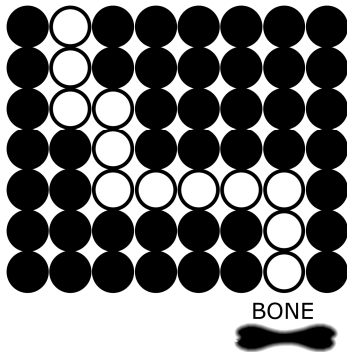
How far had the tortoise walked after 7 hours?

Mark your answer on the answer sheet.



Q27

Rosco needs to find his bone. He can only step on the white circles.



Choose which instructions (A – F) you would give to Rosco to get him to his bone. Each instruction can be used more than once.

Mark your answer on the answer sheet.

- A) 1 step forward
- B) 2 steps forward
- C) 3 steps forward
- D) 4 steps forward
- E) turn 90 degrees left
- F) turn 90 degrees right

Q28

Paul got 6 marks more on the Maths test this week compared to the test last week. Last week, he got half of Mary's score. She got 80 marks last week and 83 this week.

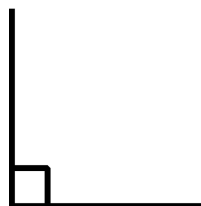
What did Paul score on his Maths test this week?

Mark your answer on the answer sheet.

Q29

Look at the diagram on the right.

How many of these angles would make 360 degrees?  
Mark your answer on the answer sheet.



Q30

What is the product of 5 and 25?

Mark your answer on the answer sheet.

Q31

A survey was performed to find out people's favourite drinks. A tally of their answers was recorded.

From the table to the right, how many people were in the group that was questioned?

Mark your answer on the answer sheet.

DRINKS	TALLY
water	<del>    </del> <del>    </del>
fruit juice	<del>    </del>
milk	
fizzy drink	<del>    </del> <del>    </del>
tea	

Q32

Mandy's dad planted a small tree in their garden the day she was born. It was only 30 cm tall. By the time Mandy was 10 years old, the tree was 2.4 metres tall.

How much had the tree grown in the 10 years?

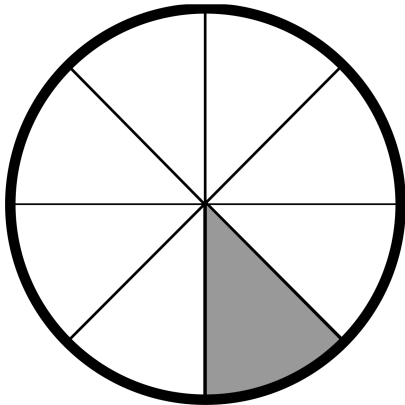
Mark your answer on the answer sheet.

Q33

If  $\frac{1}{4}$  of a number is 25, what is the number?

Mark your answer on the answer sheet.

Q34



If the area of the shaded segment of this circle is  $50 \text{ cm}^2$ , what is the area of the whole circle?

Mark your answer on the answer sheet.

Q35

What is the sum of 90 and 60?

Mark your answer on the answer sheet.

Q36

There are four types of animal in a small zoo: 3 lions, 4 elephants, 12 birds and 8 zebra.

What is the total number of animal legs in the zoo?

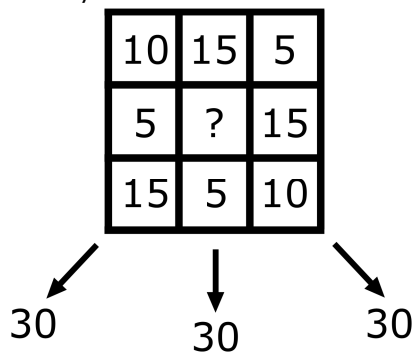
Mark your answer on the answer sheet.

Q37

Each row and column (including the diagonals) should add up to 30.

What value should replace the question mark to make this true?

Mark your answer on the answer sheet.



Q38

Sandra walks  $x$  miles to get to school and Jacob walks  $y$  miles from his house to school. Jacob's house is twice as far as Sandra's.

Which equation could be used to explain the above facts?

Mark your answer on the answer sheet.

Q39

What is 1.5 divided by 10?

Mark your answer on the answer sheet.

Q40

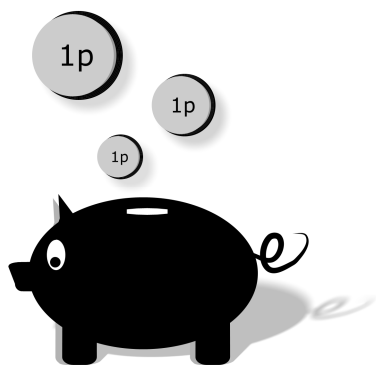
$$2463 + 1875 = ?$$

Mark your answer on the answer sheet.



Q41

Luke is saving for a new skateboard. He gets £5 per week pocket money and also earns £10 per week from his part-time job. The skateboard costs £100. He has already saved £25.



How many more weeks will he have to wait before he can buy the new skateboard?

Mark your answer on the answer sheet.

Q42

Which of the following numbers is closest to 1?

Mark your answer on the answer sheet.

0.09, 1.15, 0.99, 1.8, 0.55

Q43

The biggest number you can make from the numbers 4, 7 and 1 is 741.

What is the smallest number that can be made from the numbers 6, 4, 9, 3 and 1? You must use all of these numbers once.

Mark your answer on the answer sheet.

Q44

Only one of the following numbers is a square number.

Which one?

Mark your answer on the answer sheet.

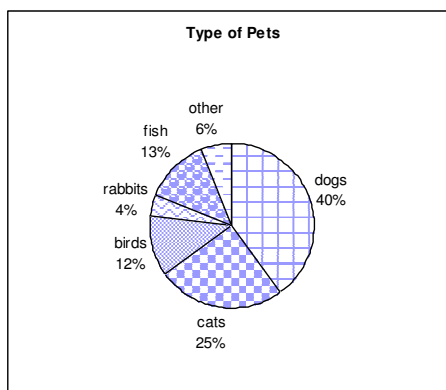
22, 46, 111, 100, 135

Q45

This pie chart shows the percentage of each type of pet in London.

Which type of pet is least popular?

Mark your answer on the answer sheet.



Q46

Which one of the following numbers is not an even number?

Mark your answer on the answer sheet.

835, 840, 504, 468, 18

Q47

What is 50% of 4210?

Mark your answer on the answer sheet.

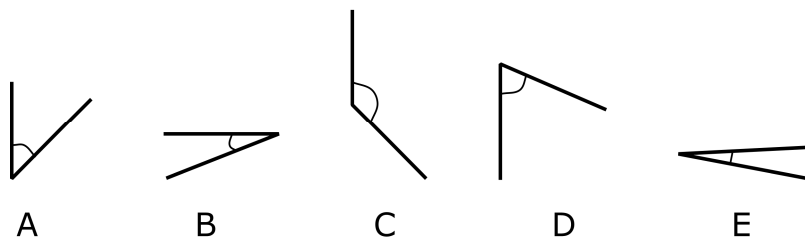
Q48

Complete the sequence.

Mark your answer on the answer sheet.

4, 12, 36, 108, 324, ?

Q49



Which one of these angles is not an acute angle?

Mark your answer on the answer sheet.

Q50

How many of these shapes only have 1 line of reflective symmetry?

Mark your answer on the answer sheet.



# Answer Sheet

## Maths Standard Test 2

- |     |     |
|-----|-----|
| 1.  | 26. |
| 2.  | 27. |
| 3.  | 28. |
| 4.  | 29. |
| 5.  | 30. |
| 6.  | 31. |
| 7.  | 32. |
| 8.  | 33. |
| 9.  | 34. |
| 10. | 35. |
| 11. | 36. |
| 12. | 37. |
| 13. | 38. |
| 14. | 39. |
| 15. | 40. |
| 16. | 41. |
| 17. | 42. |
| 18. | 43. |
| 19. | 44. |
| 20. | 45. |
| 21. | 46. |
| 22. | 47. |
| 23. | 48. |
| 24. | 49. |
| 25. | 50. |

# Answers

## Maths Standard Test 2

Q1)	£10.50	Q26)	75cm
Q2)	600	Q27)	C, E, A, F, B, E, D, F, C
Q3)	13:30	Q28)	46
Q4)	Peter, Chris, Jamie	Q29)	4
Q5)	thirty-five thousand six hundred and twenty-seven	Q30)	125
Q6)	4000	Q31)	40
Q7)	W(2,3) X(5,4) Y(6,2)	Q32)	210cm
Q8)	4	Q33)	100
Q9)	-	Q34)	400 cm <sup>2</sup>
Q10)	8	Q35)	150
Q11)	135°	Q36)	84
Q12)	40	Q37)	10
Q13)	2	Q38)	$y = 2x$
Q14)	70	Q39)	0.15
Q15)	3/4, 9/14, 6/7	Q40)	4338
Q16)	39 cm	Q41)	5
Q17)	15/20	Q42)	0.99
Q18)	2250 grams	Q43)	13469
Q19)	45	Q44)	100
Q20)	1/4	Q45)	rabbits
Q21)	£600	Q46)	835
Q22)	15	Q47)	2105
Q23)	50	Q48)	972
Q24)	10cm	Q49)	C
Q25)	36	Q50)	2